



Offshore wind energy in the Netherlands

Progress towards tenders

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Ministry of Economic Affairs



Content presentation

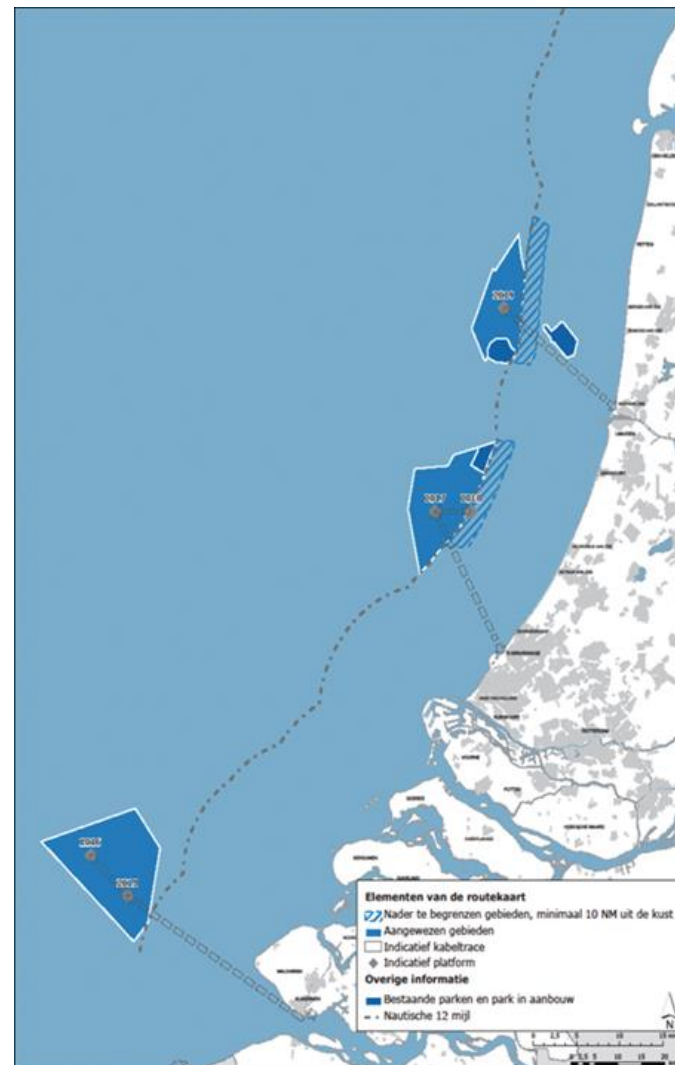
- “Energy Agreement for Sustainable Growth”, roadmap, tender
- National laws, subordinate legislation
- Borssele site decisions I/II and III/IV
- Borssele soil, water and wind investigations
- (Partial revision) National Waterplan 2
- Website Offshore Wind Energy



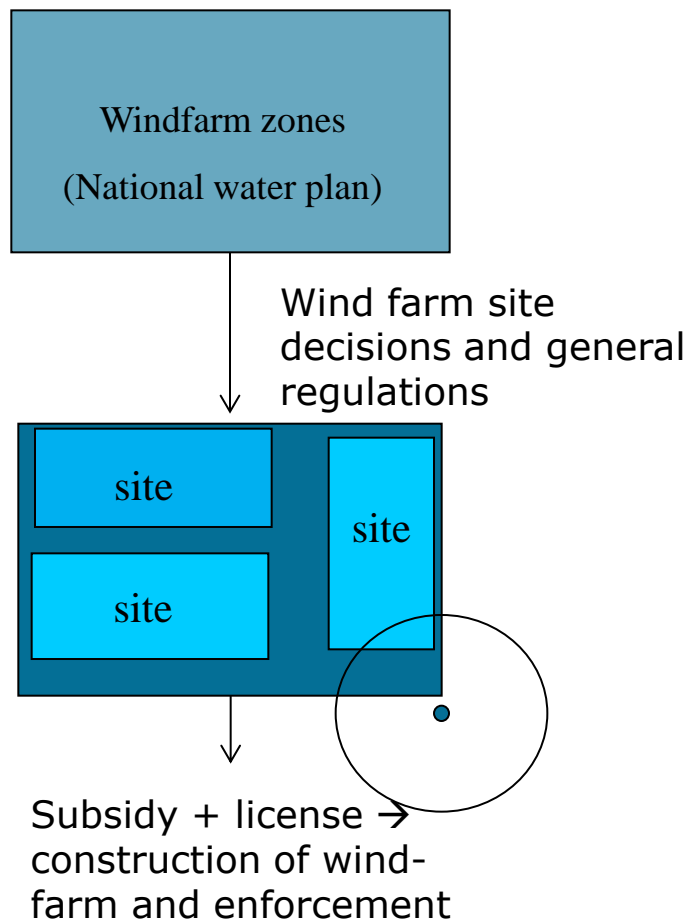
National energy agreement and roadmap

- Acceleration in comparison to national energy agreement.

Year	Energy Agreement	New Roadmap	Area
2015	450 MW	700 MW	Borssele
2016	600 MW	700 MW	Borssele
2017	700 MW	700 MW	S-H C
2018	800 MW	700 MW	S-H C
2019	900 MW	700 MW	N-H C

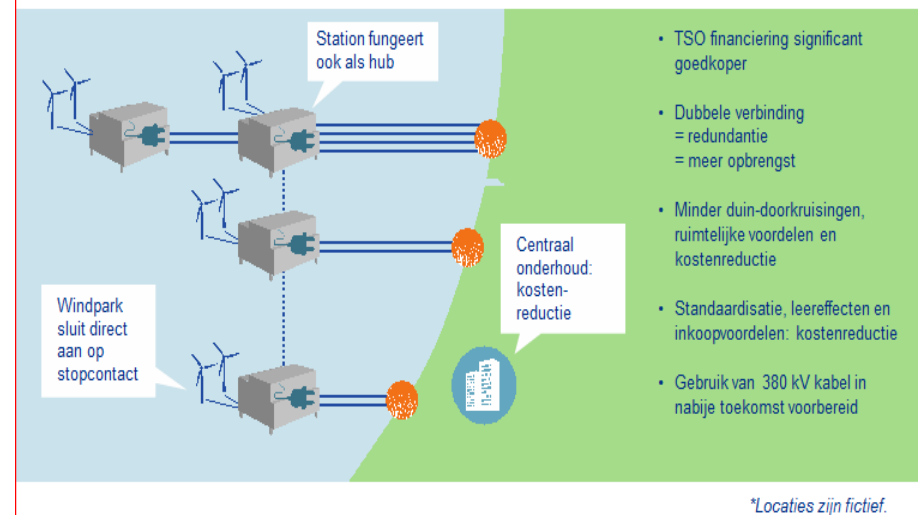


New system: Offshore wind energy bill and the Gas and Electricity bill (STROOM)



Extra 3450 MW wind op zee: gestructureerd

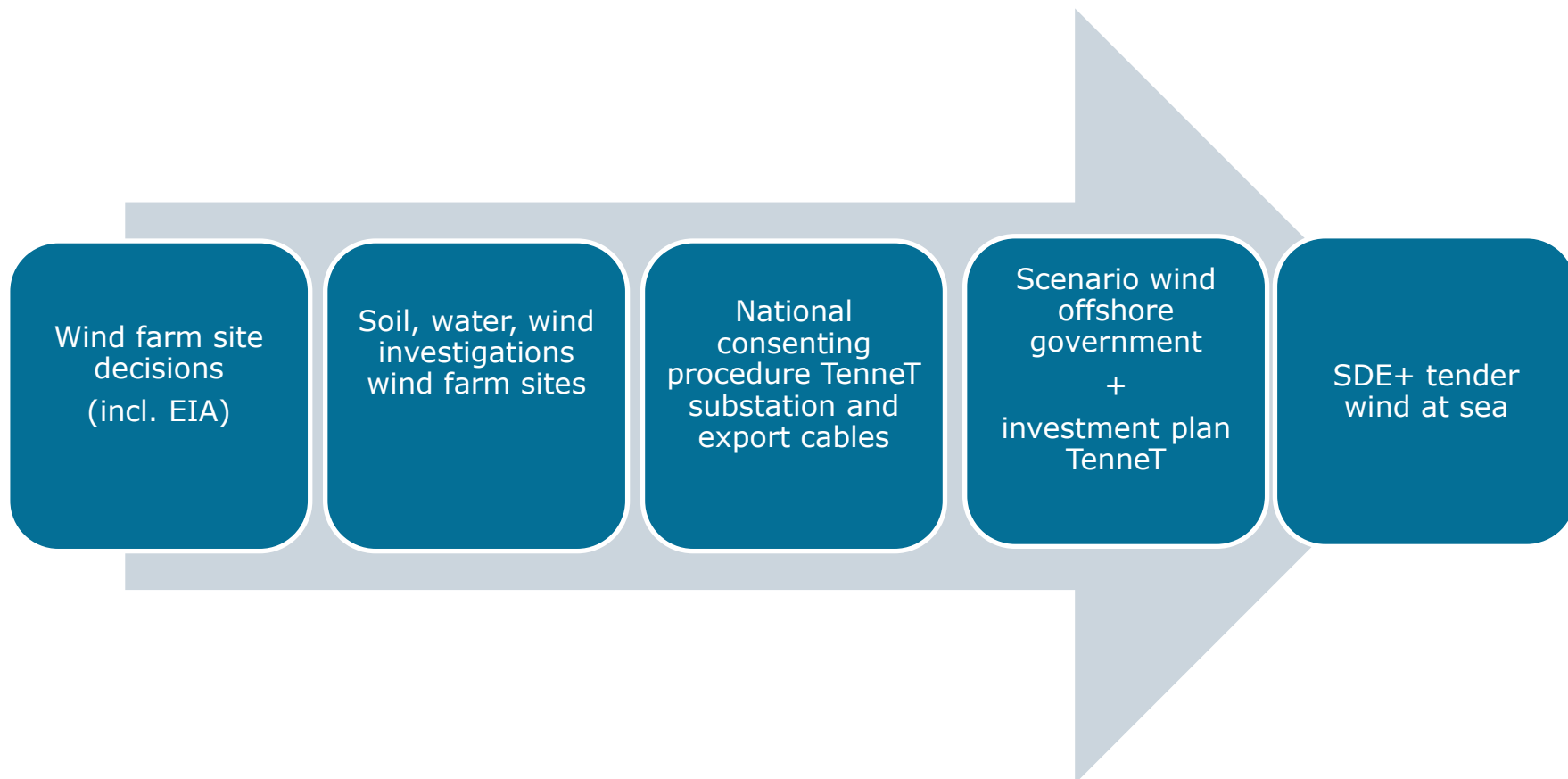
Alleen door gestructureerde aanpak, planning en standaardisatie voor windparken is 35-40% kostenreductie haalbaar en worden de doelstellingen voor 2023 gerealiseerd.



Offshore transmission system:
Platforms and cables to the coast until it reaches the onshore power distribution system by TenneT.



Tender offshore wind energy in the Netherlands





Bill offshore wind energy

- Internet consultation 19 March – 16 April 2014
- October 17th 2014, bill to House of Representatives of the Netherlands (file number: 34 058)
- 26th March 2015 House of Representatives voted in favour (14/16 parliamentary parties, 136/150 votes)
- Bill is now in Senate (just yes/no, no changes anymore)
- Into force: 1st of July 2015



Electricity and gas bill (STROOM)

- June 18th 2014 guiding decision: TenneT Offshore grid operator
- July 31st – September 8th 2014 internet consultation new Electricity and gas bill (STROOM)
- All into force: 1ST of January 2016
- The system works as follows:
 1. Scenario National Government + investment plan offshore grid system TenneT
 2. Risks and liability
 3. Tariff
- Reduction in public costs: €3 billion, part of the agreement to reduce costs by 40%.

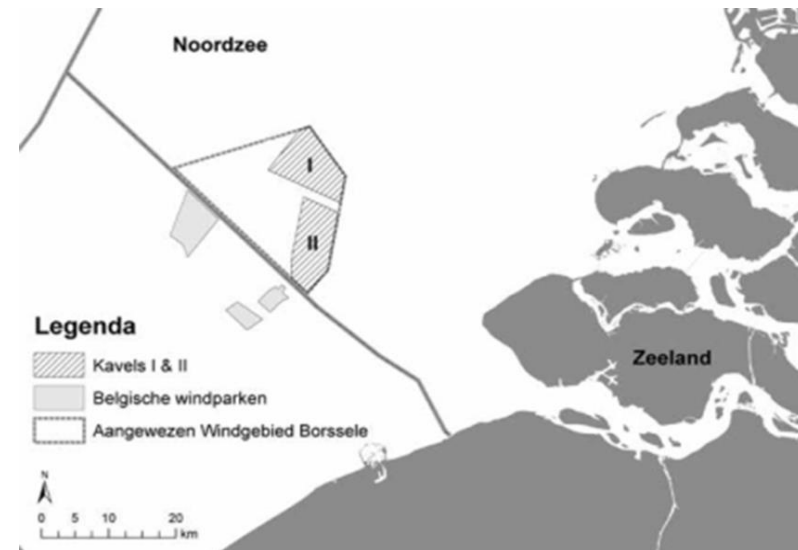


Subordinate regulations offshore windfarms

- Amendment “Waterbesluit”: general rules offshore wind parks
 - Internet consultation from the 2nd to 30th of September 2014.
- “Besluit elektriciteit en gas” (subordinate Gas and Electricity bill (STROOM))
 - Internet consultation from 23rd of Feb - 23rd of March 2015.
- Amendment “Besluit MER”: addition of ‘site decision’ for EIA
 - March 10th 2015: presented to both houses of parliament
- Amendment “Besluit SDE”:
 - February 6th 2015: amendment published in the “Official Journal”
- “Regeling windenergie op zee 2015” (SDE+, subordinate “Besluit SDE”)
 - Internet consultation April 2015
- “Uitvoeringsregeling Wet windenergie op zee” (subordinate Bill wind offshore)
 - Internet consultation April 2015

Site decisions I/II Borssele

- October 24th – December 4th 2014 consultation MSD site I/II
- December 9th positive advice EIA C.
- Early May 2015 interim advice EIA C. expected, concept EIA site II (public)
- 2nd half may 2015, informal consultation concept-design windfarm site decision II (once)
- August 2015, final EIA and design windfarm site decision I/II, consultation
- September 2015 final advice EIA Commission
- End November 2015 final windfarm site decisions I/II
- Latest July 2016 verdict Council of State, irrevocable windfarm site decisions I/II



Possible changes windfarm site decisions I/II

- Exact coordinates (due to exact location telecomcable, maintenance zones cables, helicopter zones TenneT)
- Exclusion zones (tip within windfarm site, par. 4.3 Project & Site Description)
- Nature mitigation:
 - Bandwith 3 -10 MW → ? – 10MW
 - Noise mitigation piling
 - Bats
 - Birds (migratory birds)



Site Decisions III/IV Borssele

- Mid April 2015 EIA commissioned
 - June 2015 consultation scope Eia
 - January 2016 final EIA and design windfarm site decisions III/IV/innovation open for inspection
 - February 2016 final advice EIA C.
 - April 2016 final windfarm site decisions III/IV/innovation open for consultation
 - November 2016 verdict Council of State, irrevocable windfarm site decisions
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- Conversation with TKI about innovation site
 - Parceling-out and talks with cable owners of the South-Holland Coast has started as preparation for windfarm site decisions and tenders 2017/2018





Soil, water and wind investigations

- October 2014 LIDAR placed on the island of Goeree
- December 2014: desk studies and 'project and site description' published
- March 2015 geophysical survey completed
- April 2015 start geotechnical survey of the soil
- Planning:
 - Floating LIDAR in Borssele windfarm area and LIDAR on Euro-platform
 - Geophysical and geotechnical survey sites III/IV/innovation
 - Update 'project and site description' after field study



National water plan 2 (NWP2, 2015-2021)

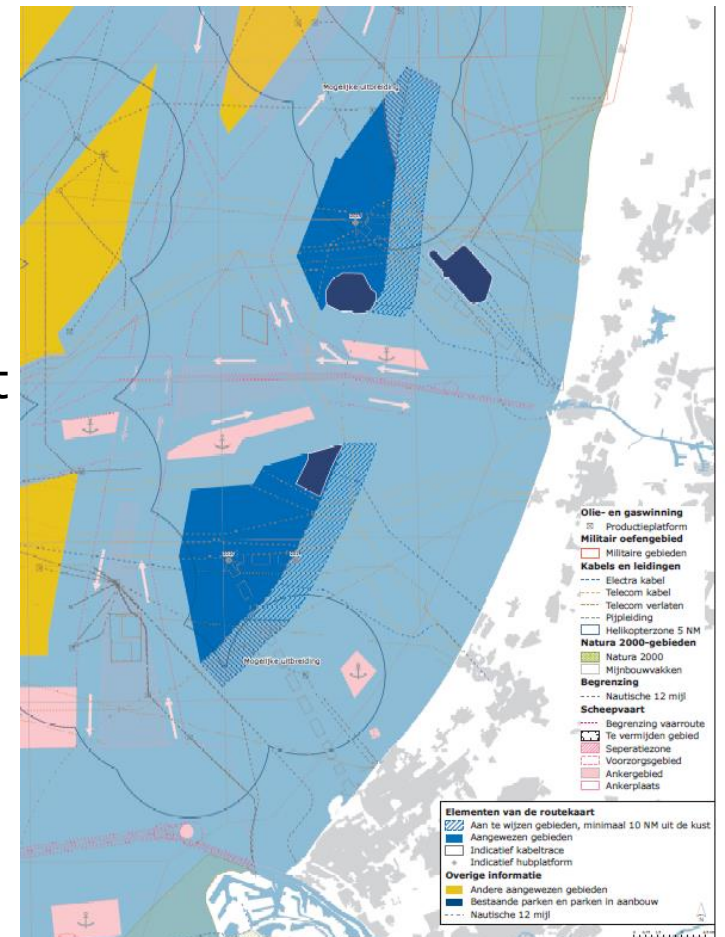
National Water Plan 2 with addendum “Policy Brief North Sea”:

- End of December 2014 concept open for consultation
- End of December 2015 definite version finalized
- Offshore Wind Energy:
 - Draft criterion shipping
 - Decree shared usage and passage (currently draft intention)
 - Design process mining
 - Framework on ecology and accumulation

Partial revision NWP 2: addendum area Holland Coast

National government vision becomes a partial revision of NWP 2

- First half of 2015: investigations (EIA)
 - Informal consultation, participation on intention/scope EIA, Ministry of Infrastructure & Environment
- Second half of 2015: preparation decision-making
 - Consultation
- First half of 2016: decision-making (draft and definite NGV)
 - Design revision NWP2 (early 2016), consultation
 - Final revision NWP2 (mid 2016)





Website and Workshops

- A lot of interest for the Netherlands during EWAE



- General website: english.rvo.nl/offshore-wind-energy including:
 - Information and research/investigations for the tender (NEA)
 - Information on North Sea stakeholders
 - Participation and consultation (Bureau for Energy projects etc.)
 - News items